Title (en)
METHOD FOR CATALYTIC AND SELECTIVE OXIDATION OF AROMATIC COMPOUNDS

Title (de)
VERFAHREN ZUR KATALYTISCHEN UND SELEKTIVEN OXIDATION AROMATISCHER VERBINDUNGEN

Title (fr)
PROCEDE D'OXYDATION CATALYTIQUE ET SELECTIVE DE COMPOSES AROMATIQUES

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Application
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Abstract (en)
[origin: DE19717176A1] The invention relates to the use of compounds of formula (I): R<1>aRebOc. Ld as catalysts for the oxidation of aromatic compounds rich in electrons and of derivatives of such compounds, whereby the catalysts are used in a solution containing peroxide and in the presence of an anhydride, a carboxylic acid and/or a dehydrating agent. In said formula (I) a = 0 or an integer between 0 and 6, b = an integer between 1 and 4, c = an integer between 1 and 12, d = an integer between 0 and 4, and L = Lewis base. The sum of a, b and c is such that it ensures the pentavalence or heptavalence of the rhenium, provided that c is not greater than 3 . b. R<1> can either not be present, or represent the same group or represent a different group and is an aliphatic hydrocarbon rest having between 1 and 10 C-atoms, an aromatic hydrocarbon rest having between 6 and 10 C-atoms or an aryl alkyl rest having between 7 and 9 C-atoms, whereby said R<1> rests independently of each other may possibly be substituted identically or differently.

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